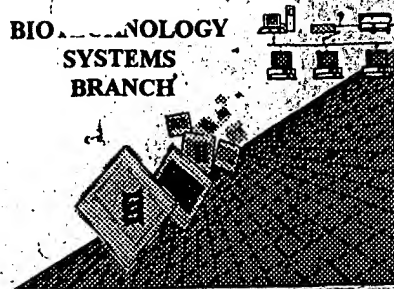


RAW SEQUENCE LISTING **ERROR REPORT**

BIO-TECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer-readable form:

Application Serial Number: 09/889,609
Source: P4/09
Date Processed by STIC: 7/27/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

PCT09

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/889,609

DATE: 07/27/2001

TIME: 19:12:13

Input Set : A:\sequence listing.txt

Output Set: N:\CRF3\07272001\I889609.raw

4 <110> APPLICANT: Wolosker, Herman
 5 Takashashi, Maasaki
 6 Mothet, Jean-Pierre
 7 Ferris, Christopher
 8 Snyder, Solomon
 10 <120> TITLE OF INVENTION: Mammalian Serine Racemase
 13 <130> FILE REFERENCE: 01107.85600
 C--> 15 <140> CURRENT APPLICATION NUMBER: US/09/889,609
 C--> 15 <141> CURRENT FILING DATE: 2001-07-19
 E--> 15 <160> NUMBER OF SEQ ID NOS: 11
 17 <170> SOFTWARE: FastSEQ for Windows Version 3.0

Does Not Comply
 Corrected Diskette Needed

ERRORED SEQUENCES

308 <210> SEQ ID NO: 11
 309 <211> LENGTH: 1672
 310 <212> TYPE: DNA
 311 <213> ORGANISM: Mus musculus
 313 <400> SEQUENCE: 11

E--> 313 11
 W--> 315 <210> SEQ ID NO:
 W--> 315 <211> LENGTH:
 W--> 315 <212> TYPE:
 W--> 315 <213> ORGANISM: *Deliberate*
 E--> 315 ~~(400)~~ SEQUENCE: 2

see P. 3

E--> 316	gaccttacac cctttgccac actggtcctg ggccaagatg ggccaatcaa agtccttacc	60
317	cagaattttt tgaactgaaa ttgagagaga atccctcttc agtatggaag ccataaaatg	120
318	taaaacacag gagctgtcag cagccatgtg tcctgcagta cggagccagc tggctgtgctg	180
319	tgagaaggaa gccgcgctgc cagaggcagc agagaaccat gtgtgctcag tactgcatct	240
320	cctttgctga tgttgaaaaa gctcatatca acattcaaga ctctatccac ctcacccag	300
321	tgctaacaag ctccattttg aatcaaatag cagggcgcaa tcttttcttc aaatgtgagc	360
322	tcttccagaa aactgggtct ttttaagattc gaggtgccct taatgccatc agaggcttaa	420
323	ttcctgacac gccagaagag aagcccaaag ccgtagttac tcacagcagc ggaaaccatg	480
324	gccaagctct cacctatgct gctaaactgg aaggaattcc tgcttacatt gtggttcccc	540
325	aaacagctcc caactgcaag aaactggcaa tccaagccta tggagcatcg atagtatact	600
326	gtgacccaag tgacgagtc agagaaaagg tcaactcaaag aattatgcaa gaaacagaag	660
327	gcatcttggt ccattcccaac caggagcctg cagtgatagc tggacaagga acaattgccc	720
328	tggaagtgtc gaaccagggt cccttggtag atgcactggt ggtaccagta ggaggaggag	780
329	gaatggttgc tggaatagcc attacaatta aggccctgaa acctagtgtg aaggtatacg	840
330	ctgctgagcc ctogaatgca gatgactgct accagtctaa actgaaagga gaactgaccc	900
331	ccaatcttca tcttccagaa accatagcag atggtgtcaa atccagcatt ggcttgaata	960
332	cttggcctat tataagagac cttgtggatg atgtcttcac tgtcaccgaa gatgaaatca	1020
333	agtgactaac ccagctggtg tgggggagaa tgaaactgct cattgagccg actgctggcg	1080
334	tggcaactgg tgcagtgtg tctcagcatt tccaaacagt ctctccagaa gtaaagaacg	1140
335	tctgcattgt actcagtggt gggaaatgtg acctaacctc cctgaactgg gtggggcagg	1200
336	ctgaacggcc agctccttac cagacggtct gtttaaattc aggcaagatt gtctctagat	1260

RAW SEQUENCE LISTING

DATE: 07/27/2001

PATENT APPLICATION: US/09/889,609

TIME: 19:12:14

Input Set : A:\sequence listing.txt

Output Set: N:\CRF3\07272001\I889609.raw

337	gaaaattttg	tttccatctt	ccctttaaaa	attatgttca	aaatccta	gaagaaagt	1320
338	taagtaatca	tgtaaattct	gtacttagca	gagacatgga	caactgaaat	acagagcaca	1380
339	agctgcctgg	tcacaaccca	gactccaaca	ctggagtttt	ggttggttgc	agtagagaca	1440
340	gaaccaact	gagtctctta	ctccatgtct	acttcagaca	ctgttgaaga	gatgtcactt	1500
341	ttaaccaag	gtactggctc	tggtacatat	gggtcataag	tccacttggg	aaatactcgc	1560
342	ttatagagat	tcattaatac	tgtgtcctga	gatttcagct	ttcccatca	aaactgcact	1620
343	ttatatggcc	atgggtacct	aaaagttaa	acagataatt	ggtcaaaaat		1670
352	(37)						

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3

<210> 11
<211> 1672 / 1670 shown
<212> DNA
<213> Mus musculus

<400> 11

<400> 2 delete

gaccttacac	cctttgccac	actggtcctg	ggccaagatg	ggccaatcaa	agtccttacc	60
cagaattttt	tgaactgaaa	ttgagagaga	atccctcttc	agtatggaag	ccataaaatg	120
taaaacacag	gagctgtcag	cagccatgtg	tctgcagta	cggagccagc	tggtctgctg	180
tgagaaggaa	gccgccgtgc	cagaggcagc	agagaacat	gtgtgctcag	tactgcatct	240
cctttgctga	tggtgaaaaa	gctcatatca	acattcaaga	ctctatccac	ctcaccacag	300
tgctaacaag	ctccattttg	aatcaaatag	cagggcgcaa	tcttttcttc	aaatgtgagc	360
tcttcagaaa	aactgggtct	tttaagattc	gaggtgccct	taatgccatc	agaggcttaa	420
ttcctgacac	gccagaagag	aagcccaaag	ccgtagttac	tcacagcagc	ggaaacacatg	480
gccaagctct	cacctatgct	gctaaactgg	aaggaattcc	tgcttacatt	gtggttcccc	540
aaacagctcc	caactgcaag	aaactggcaa	tccaagccta	tggagcatcg	atagtatact	600
gtgaccaaac	tgacgagtc	agagaaaagg	tactcaaac	aattatgcaa	gaaacagaag	660
gcatcttggt	ccatcccaac	caggagcctg	cagtgatagc	tggaacaagg	acaattgccc	720
tggaagtgt	gaaccagggt	cccttggtag	atgcactggt	ggtaccagta	ggaggaggag	780
gaatggttgc	tggaatagcc	attacaatta	aggccctgaa	acctagtgtg	aaggtatacg	840
ctgctgagcc	ctcgaatgca	gatgactgct	accagtctaa	actgaaagga	gaactgaccc	900
ccaatcttca	tcttcagaaa	accatagcag	atgggtgtcaa	atccagcatt	ggcttgaata	960
cctggcctat	tataagagac	cttgtggatg	atgtcttcac	tgtcaccgaa	gatgaaatca	1020
agtatgcaac	ccagctgggtg	tgggggagaa	tgaactgct	cattgagccg	actgctggcg	1080
tggcactggc	tgcaagtgtg	tctcagcatt	tccaaacagt	ctctccagaa	gtaaagaacg	1140
tctgcattgt	actcagtggtg	gggaatgtag	acctaacctc	cctgaactgg	gtggggcagg	1200
ctgaacggcc	agctccttac	cagacgggtct	gtttaaattc	aggcaagatt	gtctctagat	1260
gaaaattttg	tttccatctt	ccctttaaaa	attatgttca	aaatccta	gaagaaagt	1320
taagtaatca	tgtaaattct	gtacttagca	gagacatgga	caactgaaat	acagagcaca	1380
agctgcctgg	tcacaacca	gactccaaca	ctggagtttt	ggttggttgc	agtagagaca	1440
gaacccaact	gagtctctta	ctccatgtct	acttcagaca	ctgttgaaga	gatgtcactt	1500
ttaacccaag	gtactggctc	tggtacatat	gggtcataag	tccacttggg	aaatactcgc	1560
ttatagagat	tcattaatac	tgtgtcctga	gatttcagct	ttcccatca	aaactgcact	1620
ttatagggcc	atgggtacct	aaaagttaaa	acagataatt	ggtcaaaaat		1670

37 delete

PSI →

Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/889,609

DATE: 07/27/2001

TIME: 19:12:15

Input Set : A:\sequence listing.txt

Output Set: N:\CRF3\07272001\I889609.raw

L:15 M:270 C: Current Application Number differs, Replaced Current Application No
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:68 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2
L:84 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:313 M:252 E: No. of Seq. differs, <211>LENGTH:Input:1672 Found:0 SEQ:11
L:315 M:282 W: Numeric Field Identifier Missing, <210> is required.
L:315 M:282 W: Numeric Field Identifier Missing, <211> is required.
L:315 M:282 W: Numeric Field Identifier Missing, <212> is required.
L:315 M:282 W: Numeric Field Identifier Missing, <213> is required.
L:315 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:11 differs:2
L:15 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (11) Counted (12)